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(54) Title: MODEL FOR MICROFILTRATION OF POLY-DISPERSE SUSPENSIONS

(57) Abstract: The present invention relates to a method for predicting pressure independent permeation flux and target molecule yield in a permeate resulting from crossflow filtration of particles in a poly-disperse suspension, a method for determining packing density of particles at the membrane wall of a poly-disperse suspension, a method for designing a filtration system for a poly-disperse suspension, a method of selecting operating conditions of a crossflow filtration system for poly-disperse suspensions, and a method of modeling a process for filtration of a poly-disperse suspension using a computer generated program for predicting pressure independent permeation flux and target molecule yield.